

4817T-F



AVAILABLE MOUNTING CONFIGURATIONS

4817T-RP-F REDI-PRIME FRAME MOUNT
 4817T-F FRAME MOUNT
 4817T-RP-EM REDI-PRIME ENGINE MOUNT
 4817T-EM ENGINE MOUNT
 4817T-VF VERTICAL FRAME MOUNT
 4817T-VC VERTICAL COUPLED

OPERATING LEVELS

MIN FLOW	760 GPM	172.6 m ³ /h
MAX FLOW	2880 GPM	654.1 m ³ /h
DISCHARGE SIZE	4"	101.6 mm
SUCTION SIZE	8"	203.2 mm
SOLIDS HANDLING	3"	76.2 mm
MAX SPEED	2000 RPM	2000 RPM
SHUT-OFF HEAD	460'	140.2 m
BEP HEAD	354'	107.9 m
BEP FLOW	2220 GPM	504.2 m ³ /h
BEP PERCENT	68%	68%



A typical picture of the pump is shown. Please contact Cornell Pump Company for further details. All information is approximate and for general guidance only.

PARTS	ALL IRON
WEAR RING	CAST IRON ASTM A48 CL30
IMPELLER	CAST STAINLESS CA6NM ASTM A743
VOLUTE	DUCTILE IRON ASTM A536
SHAFT	4340 STEEL QUENCH AND TEMPER
SHAFT SLEEVE	17-4 PH S4340 STEEL
SUCTION COVER	DUCTILE IRON ASTM A536
MECHANICAL SEAL	TUNGSTEN CARBIDE VS. SILICON CARBIDE W/ VITON ELASTOMERS
BEARING FRAME	CAST IRON ASTM A48 CLASS 30
BACKPLATE	DUCTILE IRON ASTM A536

The 4817T pump is designed with Cornell's renowned quality and durability. It features a 4" discharge, 8" suction, enclosed, multivane impeller, and tangential, double-bolted volute. Cornell's patented Cycloseal® design is standard, with a Type 2 single mechanical seal, stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance.

- Excellent NPSHr
- Industry-leading efficiencies
- Replaceable suction wear ring and shaft sleeve
- Patented Cycloseal® design
- Heavy duty construction
- Handles solids up to 3"
- RunDry™ option (Indefinite run dry capability)
- Redi-Prime® available for fully-automatic continuous priming
- Back pull-out design
- Industry-leading two-year warranty



AGRICULTURE



FOOD



INDUSTRIAL



MINING



MUNICIPAL



OIL & GAS



REFRIGERATION



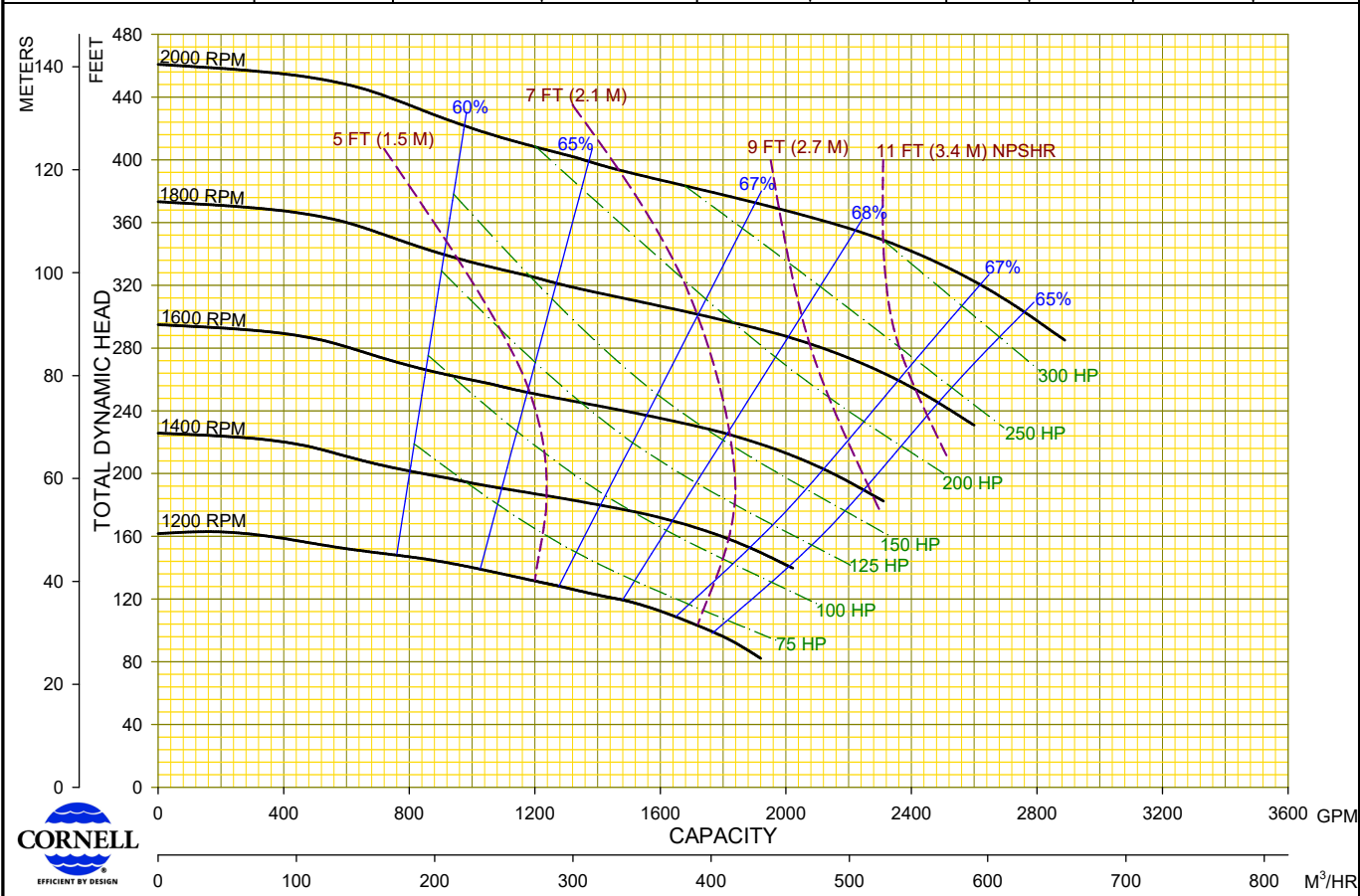
RENTAL

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Performances shown are for S.G. 1.0
60°F water, frame mounted configuration,
with Cyclo Seal. Other mounting styles or
S.G. may require curve adjustments.

Speed	Impeller Dia.	Style	Volute	Solids Dia.	N _s	Suction	Discharge	No. Vanes
VARIOUS	17.50"	ENCLOSED	SINGLE	3.00"	1150	8"	4"	2



Cornell Pump Company • Clackamas, Oregon	01	12/31/18	FM	MODEL: 4817T TYPE: SOLIDS HANDLING	CURVE NO: 4817TVA
	00	10/24/18	AE		